

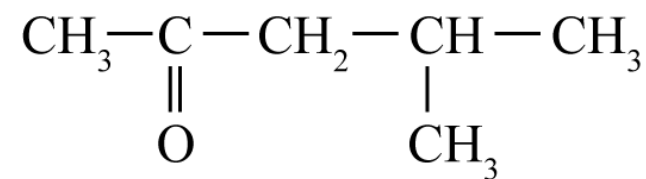
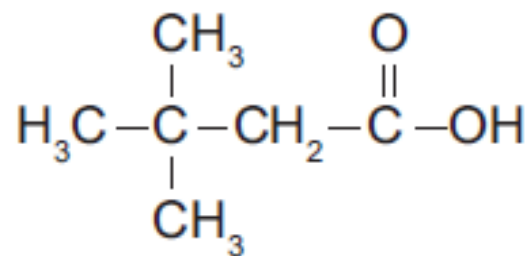
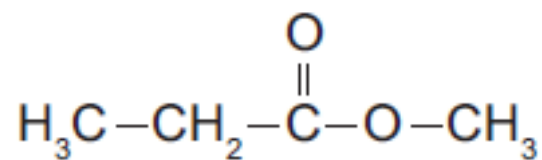
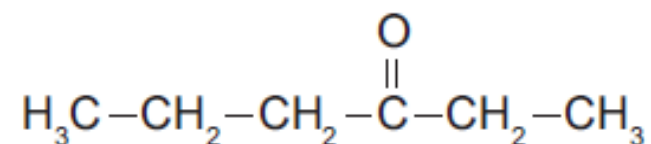
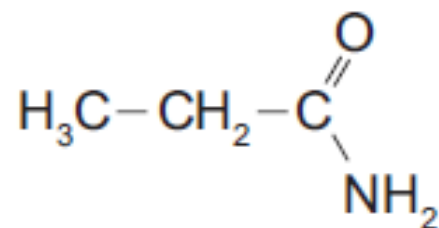
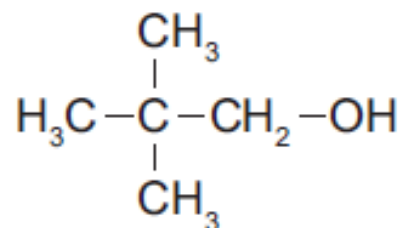
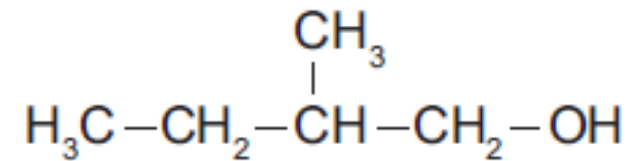
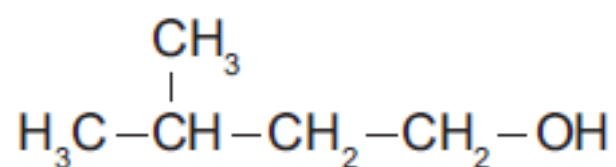
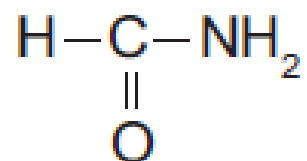
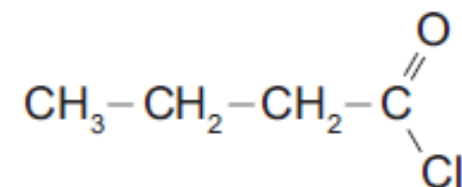
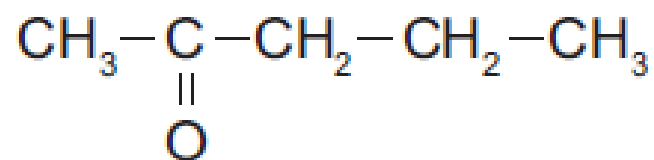
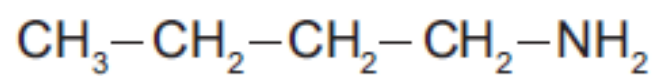
### Level 3 IUPAC naming

**QUESTION:** i) Write the IUPAC name for each organic substance and ...

ii) name the homologous series that the substance is in

iii) circle the functional group of each substance

$\begin{array}{c} \text{CH}_3 - \text{CH} - \text{CH}_2 - \text{NH}_2 \\   \\ \text{CH}_3 \end{array}$	$\text{CH}_3\text{CH}_2\text{COCH}_3$	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}$
$\begin{array}{c} \text{O} \\    \\ \text{CH}_3 - \text{CH}_2 - \text{CH} - \text{C} - \text{OH} \\   \\ \text{Cl} \end{array}$	$\begin{array}{c} \text{O} \\    \\ \text{CH}_3 - \text{C} - \text{Cl} \end{array}$	$\begin{array}{c} \text{O} \\    \\ \text{CH}_3\text{CCH}_3 \end{array}$
$\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2$	$\begin{array}{c} \text{O} \\    \\ \text{CH}_3\text{CH}_2\text{C} \\   \\ \text{H} \end{array}$	$\begin{array}{c} \text{O} \\    \\ \text{FH}_2\text{C} - \text{C} \\   \\ \text{OH} \end{array}$
$\begin{array}{c} \text{O} \\    \\ \text{H}_3\text{C} - \text{CH}_2 - \text{C} \\   \\ \text{Cl} \end{array}$	$\text{H}_3\text{C} - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{Br}$	$\begin{array}{c} \text{H}_3\text{C} - \text{C} - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3 \\    \\ \text{O} \end{array}$



$\text{CH}_3-\text{CH}_2-\underset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{NH}_2$	$\text{H}-\overset{\text{O}}{\overset{\parallel}{\text{C}}}-\text{O}-\text{CH}_2-\text{CH}_3$	$\begin{array}{c} \text{O} \\ \parallel \\ \text{H}-\text{C}-\text{CH}_2-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_2-\text{CH}_3 \end{array}$
$\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_2-\text{NH}_2 \\   \\ \text{CH}_3 \end{array}$	$\begin{array}{c} \text{O} \\ \parallel \\ \text{H}-\text{C}-\text{CH}_2-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_3 \end{array}$	$\text{CH}_3\text{CH}_2\text{COCl}$
$\begin{array}{c} \text{CH}_3 \\   \\ \text{H}_3\text{C}-\text{CH}-\text{CH}_2-\text{C} \begin{array}{l} \nearrow \text{H} \\ \searrow \text{O} \end{array} \end{array}$	$\begin{array}{c} \text{H} \\   \\ \text{H}_3\text{C}-\text{CH}_2-\text{C}-\text{COOH} \\   \\ \text{H}_2\text{N} \end{array}$	